Case No.: 57385US002

Amendments to the Claims

The following Listing of Claims will replace all prior versions of claims.

Listing of Claims

- 1. (Previously presented) A melt processable fluorothermoplastic composition comprising a major amount of a first fluoropolymer, wherein the first fluoropolymer comprises a semi-crystalline fluorinated copolymer, and a minor amount of a second fluoropolymer effective to reduce melt defects in the composition, each fluoropolymer being selected from:
 - (a) a semi-crystalline perfluorinated copolymer;
 - (b) a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer, at least one non-fluorinated hydrogen-containing monomer, and optionally, perfluorobutyl-ethylene and/or no more than about 1% by weight of other partially fluorinated monomers;
 - (c) a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and optionally at least one essentially perfluorinated monomer; and
 - (d) an amorphous copolymer of tetrafluoroethylene and hexafluoropropylene; wherein when the first fluoropolymer is selected from (a), the second fluoropolymer is a semi-crystalline fluoropolymer selected from (b) and/or (c);

when the first fluoropolymer is selected from (b), the second fluoropolymer is selected from (a), (c), and/or (d); and

when the first fluoropolymer is a copolymer selected from (c), the second fluoropolymer is selected from (a), (b), and/or (d);

with the proviso that, when the melt processable fluorothermoplastic composition comprises one or more copolymers selected from (c), the melt processable fluorothermoplastic composition comprises either: at least about 80% by weight of

Case No.: 57385US002

copolymers selected from (c) or no more than about 5% by weight of copolymers selected from (c).

- (Previously presented) The composition of claim 1 wherein the first fluoropolymer comprises a semi-crystalline perfluorinated copolymer.
- 3. (Previously presented) The composition of claim 2 wherein the first fluoropolymer comprises a copolymer of TFE with HFP and/or a PAVE.
- 4. (Original) The composition of claim 3 wherein the level of HFP is from about 10 to about 20% by weight.
- 5. (Original) The composition of claim 3 wherein the level of PAVE is from about 2 to about 10% by weight.
- 6. (Previously presented) The composition of claim 2 wherein the second fluoropolymer comprises: (i) a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer, and/or (ii) a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and optionally at least one essentially perfluorinated monomer.
- 7. (Previously presented) The composition of claim 6 wherein the essentially perfluorinated monomer comprises TFE and/or HFP and the non-fluorinated hydrogen-containing monomer comprises ethylene and/or propylene.
- 8. (Original) The composition of claim 7 wherein the level of non-fluorinated hydrogen-containing monomer is about 10% by weight or greater.

Case No.: 57385US002

(Original) The composition of claim 6 wherein the second fluoropolymer is derived from 9. interpolymerized units of TFE and ethylene, and optionally HFP, a PAVE, and/or PFBE.

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- (Original) The composition of claim 6 wherein the second fluoropolymer is derived from 10. interpolymerized units of TFE and propylene.
- (Original) The composition of claim 3 wherein the second copolymer is derived from H. interpolymerized units of TFE and ethylene, and optionally HFP, a PAVE, and/or PFBE.
- (Previously presented) The composition of claim 1 wherein the first fluoropolymer 12. comprises a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer.
- (Original) The composition of claim 12 wherein the first fluoropolymer is derived from 13. interpolymerized units of TFE and ethylene, and optionally HFP, PPVE-1, and/or PFBE.
- (Original) The composition of claim 12 wherein the second fluoropolymer comprises a 14. semi-crystalline perfluorinated copolymer; and/or a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and optionally at least one essentially perfluorinated monomer.
- (Original) The composition of claim 14 wherein the second fluorinated copolymer 15. comprises a copolymer of TFE with HFP and/or a PAVE.
- (Previously presented) The composition of claim 1 wherein the first fluoropolymer 16. comprises a fluoropolymer derived from interpolymerized units of at least one partiallyfluorinated monomer, and at least one essentially perfluorinated monomer.

Case No.: 57385US002

The composition of claim 16 wherein the partially fluorinated monomer 17. comprises VF2 and the essentially perfluorinated monomer comprises TFE, HFP, and/or a PAVE.

651 736 6133

- (Previously presented) The composition of claim 16 wherein the first fluoropolymer 18. comprises interpolymerized units of VF2, TFE, and HFP, and optionally a PAVE.
- (Original) The composition of claim 17 wherein the amount of VF2 comprises from 19. about 5 to about 40% by weight.
- (Original) The composition of claim 17 wherein the amount of VF2 comprises from 20. about 5 to about 20% by weight.
- (Original) The composition of claim 16 wherein the second fluoropolymer comprises a 21. semi-crystalline perfluorinated copolymer; and/or a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer.
- The composition of claim 1 wherein the first fluoropolymer comprises 22. (Original) interpolymerized units of TFE, HFP, and from about 5 to about 20% by weight of VF2, and the second copolymer comprises interpolymerized units of ethylene and/or propylene, and TFE and/or HFP.
- (Previously presented) The composition of claim 1 wherein the second fluoropolymer 23. further comprises an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro (alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated; and/or an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether.

Case No.: 57385US002

- 24. (Currently amended) A melt processable fluorothermoplastic composition comprising a major amount of a first fluoropolymer, wherein the first fluoropolymer comprises a semi-crystalline fluorinated copolymer, and a minor amount of a second fluoropolymer effective to reduce melt defects in the composition, the second fluoropolymer being selected from:
 - (a) an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro (alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated; and/or
 - (b) up to about 5% by weight of an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether.
- 25. (Previously presented) The composition of claim 24 wherein the second fluoropolymer comprises at least about 5 mol% of an hydrogen containing comonomer.
- 26. (Previously presented) The composition of claim 24 wherein the second fluoropolymer comprises a perfluoro (alkoxy vinyl) ether wherein the alkoxy group contains 2 to 6 carbon atoms.
- 27. (Previously presented) The composition of claim 24 wherein the second fluoropolymer comprises a perfluoro (alkyl vinyl) ether wherein the alkyl group contains 1 to 5 carbon atoms.
- 28. (Previously presented) The composition of claim 24 wherein the second fluoropolymer comprises a hydrogen containing comonomer selected from vinylidene fluoride, trifluoroethylene, ethylene, propylene, and combinations thereof.
- 29. (Original) An article comprising the composition of claim 1.

Case No.: 57385US002

- 30. (Original) The composition of claim 1 in the form of a container, film, hose, tubing, or wire coating.
- 31. (Withdrawn) A method of improving extrusion properties in an extrudate comprising
 - (a) blending a major amount of a first semi-crystalline fluoropolymer and a minor amount of a second fluoropolymer effective to improve extrusion properties in the composition, and
 - (b) melt processing the blend to form the extrudate, wherein each fluoropolymer is selected from class:
 - a semi-crystalline perfluorinated copolymer;
 - a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer;
 - a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and optionally at least one essentially perfluorinated monomer;

an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro (alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated, and/or an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether; and

an amorphous copolymer of tetrafluoroethylene and hexafluoropropylene; wherein when the first fluoropolymer is selected from (i), the second fluoropolymer is a fluoropolymer selected from at least one material of class (ii), a semi-crystalline material of class (iii), and/or a material from class (iv); when the first fluoropolymer is selected from (ii), the second fluoropolymer is selected from (i), (iii), (iv) and/or (v); and

Case No.: 57385US002

when the first fluoropolymer is a copolymer selected from (iii), the second fluoropolymer is selected from (i), (ii), (iv) and/or (v).

- 32. (Withdrawn) The method of claim 31 wherein the first fluorinated copolymer comprises a semi-crystalline perfluorinated copolymer.
- 33. (Withdrawn) The method of claim 32 wherein the second fluoropolymer comprises a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer; a semicrystalline fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and optionally at least one essentially perfluorinated monomer; and/or an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro (alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated, and/or an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether.
- 34. (Withdrawn) The method of claim 31 wherein the first fluorinated copolymer comprises a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer.
- 35. (Withdrawn) The method of claim 34 wherein the second fluoropolymer comprises a semi-crystalline perfluorinated copolymer; and/or a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and at least one essentially perfluorinated monomer.
- 36. (Withdrawn) The method of claim 34 wherein the second fluoropolymer comprises an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro

Case No.: 57385US002

(alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated, and/or an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether.

- 37. (Withdrawn) The method of claim 31 wherein the first fluorinated copolymer comprises a fluoropolymer derived from interpolymerized units of at least one partially-fluorinated monomer, and at least one essentially perfluorinated monomer.
- 38. (Withdrawn) The method of claim 37 wherein the second fluoropolymer comprises a semi-crystalline perfluorinated copolymer; a fluoropolymer derived from interpolymerized units of at least one essentially perfluorinated monomer and at least one non-fluorinated hydrogen-containing monomer; and/or an amorphous fluorinated copolymer derived from interpolymerized units of a perfluoro (alkoxy vinyl) ether and a comonomer which may be partially or fully fluorinated, and/or an amorphous fluorinated copolymer derived from interpolymerized units of at least 3 mole percent (mol%) of an hydrogen containing comonomer, and a perfluoro (alkoxy vinyl) ether and/or a perfluoro (alkyl vinyl) ether.
- 39. (Withdrawn) The method of claim 31 wherein the improved extrusion property is selected from reduced melt defects, reduced extruder torque, reduced extrusion pressure, improved surface properties, and combinations thereof.
- 40. (Withdrawn) The method of claim 31 wherein the minor amount of second fluoropolymer comprises less than about 1 part by weight of the blend.